

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001820

## A. CLASSIFICATION OF SUBJECT MATTER

G 01 N 37/00 G 01 N 21/59 G 01 N 33/28 G 06 F 17/00 G 06 F 17/14 G 06 F 17/40

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC<sup>7</sup>: G 01 N 21/31, 21/35, 33/28, 37/00; G 06 F 17/00, 17/14, 17/40; ECLA: G 01 J 3/44K; G 01 J 3/44; USPC: 250/339.08; 702/25, 702/77

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) USPTO West, Canadian Patent Database, Questel-Orbit Pluspat.  
Keywords: "suspension", "emulsion", "dispersion", "slurry", "Fourier", "infrared".

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0154036 (GYSLING et al.) 14 August 2003 (14-08-2003) Whole document	1-3,10,11,16,17
X	US 4743339 (FAIX et al.) 10 May 1988 (10-05-1988) Abstract; Figures 1a, 1b, 4a, 4b, 5-8; Column 1, lines 6-10; Column 1, line 52 to Column 2, line 39; Column 3, lines 1-10	1,2,4-10
Y		11,12
X	WO 97/14953 (VAN DOORN et al.) 24 April 1997 (24-04-1997) Whole document	1,2,4,5,10
Y		11,12
X	WO 92/17767 (JALKANEN) 15 October 1992 (15-10-1992) Abstract; Figures 1 and 2; pages 1, 4, 5, 7, 8	1,2,4,5,10
Y		11,12
X	EP 727671 (NUSS) 21 August 1996 (21-08-1996) Whole document	1,2,4,5,13,35,43
Y		14,15,44,45

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search  
18 January 2005 (18-01-2005)Date of mailing of the international-type search report  
24 February 2005 (24-02-2005)Name and mailing address of the ISA/CA  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2443098 (ANDERSON et al.) 24 October 2002 (24-10-2002) Figures 12-16: page 2, lines 1-7 and 10-29; page 11, line 5 to page 13, line 27; page 15, line 28 to page 16, line 2; page 17, line 15 to page 19, line 4; page 28, line 19 to page 34, line 17; page 36, line 9 to page 38, line 11; page 39, lines 16-27; pages 56-59	1,2,4-6,10-19,21-25,35
Y		20,26,27,32-34,43-45
X	CA 2337888 (ALDRICH et al.) 17 February 2000 (17-02-2000) Abstract: page 1; pages 3-6; pages 9 and 10; pages 13, 15, and 16	1,2,4-10,16-19,22,23
Y		11,12,20,24-27,29-31
Y	CA 2470477 (LEMMON et al.) 10 July 2003 (10-07-2003) Figures 10,12,17,19,21; pages 1,5,6,9,10	26,27,29-34
A	CA 2254376 (TAGUCHI) 25 May 1999 (25-05-1999) Figure 3; pages 11-14, and 18	36,39
Y	T. Theophanides (ed.) Fourier Transform Infrared Spectroscopy. Reidel Publishing, Boston, 1984, pages 56-64, 125-135, 159-166	11,12,14,15,20,24,25,29-34,44,45

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
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Patent Document Cited in Search Report	Publication Date	Patent Family Members	Publication Date
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		WO 03/062759	31-07-2003
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		EP 859952	26-08-1998
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		EP 1102828	30-05-2001
		JP 2003-517496	27-05-2003
		US 6025305	15-02-2000
		WO 00/008116	17-02-2000
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CA 2254376	25-05-1999	JP 11-154220	08-06-1999
		US 6335984	01-01-2002